

INVESTIGATOR'S ANNUAL REPORT

National Park Service

All or some of the information provided may be available to the public

Reporting Year: 2002	Park: Shenandoah NP
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Permit#: SHEN-1990-SCI-0001	
Park-assigned Study Id. #: SHEN-00127	
Project Title: Impact of white-tailed deer on select forest vertebrates	
Permit Start Date: Jan 01, 1990	Permit Expiration Date Dec 31, 2002
Study Start Date: Jan 01, 1990	Study End Date Dec 31, 2010
Study Status: Continuing	
Activity Type: Research	
Subject/Discipline: Animal Communities / Wildlife	
Objectives: Our objective is to quantify the impact of white-tailed deer on select forest vertebrates through the exclusion of deer from multiple 10-acre areas. 3 exclosures are located in the SNP, with 3 additional exclosures on nearby public lands. Deer were excluded in 1990 and surveys have been conducted since that time. In 2002 only bird populations and acorn production were measured, but previous years, included herbaceous and woody vegetation, and small mammals.	
Findings and Status: We are continuing the annual monitoring of birds within the sites, although we only worked at 4 sites in 2002. Acorn production was also measured but that data has yet to be processed. Of the sites listed below, Keyser, Dump, and Hilltop were fenced to exclude deer in 1990. Elk is a control site. Bird species and numbers mist-netted in 1000 net hours at 4 locations within north district from June 4-19, 2002. For location of sites see previous reports Species DUMP ELK HILLTOP KEYSER TOTAL ACFL 00 00 01 02 03 AMRE 00 07 30 25 62	

BAWW 01 02 00 04 07	
BHCO 00 00 00 01 01	
BLJA 00 01 00 00 01	
BRCR 00 02 00 00 02	
CARW 02 01 02 00 05	
CERW 00 00 02 01 03	
CHSP 01 16 01 00 18	
DOWO 05 01 03 03 12	
EATO 07 03 09 08 27	
EAWP 02 02 04 00 08	
ETTI 07 02 01 01 11	
GCFL 00 01 00 00 01	
GRCA 07 00 03 05 15	
HAWO 01 00 01 04 06	
HOWA 02 02 05 11 20	
INBU 02 06 13 08 29	
KEWA 00 00 01 01 02	
LOWA 00 00 00 01 01	
NOCA 02 02 00 02 06	
OVEN 07 07 09 37 60	
PIWO 00 00 00 01 01	
RBGR 03 00 00 01 04	
REVI 03 12 09 03 27	
RTHU 03 01 01 00 05	
SCTA 03 00 00 02 05	
SOVI 00 00 02 00 02	
VEER 03 00 09 02 14	
WBNU 06 02 01 00 09	
WEWA 02 02 06 07 17	
WOTH 09 05 10 29 53	
YSFL 00 01 00 01 02	
YTVI 00 03 01 00 04	
TOTAL 78 81 123 158 440	
For this study, were one or more specimens collected and removed from the park but not destroyed during analyses? No	
Funding provided this reporting year by NPS: 0	Funding provided this reporting year by other sources: 0
Fill out the following ONLY IF the National Park Service supported this project in this reporting year by providing money to a university or	

college	
Full name of college or university:	Annual funding provided by NPS to university or college this reporting year:
n/a	0